

Storm Data and Unusual Weather Phenomena - May 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
INDIANA, South Central				
PERRY COUNTY --- LEOPOLD [38.10, -86.58]				
	05/09/14 17:40 EST		0	Thunderstorm Wind (MG 55 kt)
	05/09/14 17:40 EST		0	Source: Trained Spotter
A spotter in Leopold measured a 63 mph wind gust. He also noted pea sized hail.				
A severe storm developed over southern Indiana during the afternoon of May 9th. It produced a wind gust measured at 63 mph in Perry County during the early evening hours.				
FLOYD COUNTY --- 0.7 N FLOYDS KNOBS [38.33, -85.87]				
	05/10/14 13:35 EST		0	Hail (1.00 in)
	05/10/14 13:35 EST		0	Source: Trained Spotter
CLARK COUNTY --- 1.3 WNW CEMENTVILLE [38.36, -85.77]				
	05/10/14 13:41 EST		0	Hail (1.25 in)
	05/10/14 13:41 EST		0	Source: Broadcast Media
Louisville local media relayed a report of 1.25 inch hail and winds that gusted to 50 mph. An off duty Weather Service employee located 2 miles away reported one inch hail at the same time.				
CLARK COUNTY --- CLARKSVILLE [38.32, -85.77]				
	05/10/14 13:46 EST		0	Hail (1.00 in)
	05/10/14 13:46 EST		0	Source: Trained Spotter
A spotter reported one inch hail covering Veterans' Parkway.				
CLARK COUNTY --- 1.5 NNW JEFFERSONVILLE [38.30, -85.73]				
	05/10/14 13:52 EST		0	Hail (1.00 in)
	05/10/14 13:52 EST		0	Source: Trained Spotter
A broken line of thunderstorms developed along a stationary front that lay west to east across southern Indiana. Aided by moderate instability and moisture convergence along the front, some of these storms became strong and produced marginally severe hail as they tracked eastward just north of Interstate 64 west of Louisville.				
CRAWFORD COUNTY --- 0.9 NW LEAVENWORTH [38.21, -86.36]				
	05/11/14 12:26 EST		0	Hail (1.00 in)
	05/11/14 12:26 EST		0	Source: Amateur Radio
One inch hail fell one mile north of Leavenworth.				
PERRY COUNTY --- 1.3 ENE DOOLITTLE MILLS [38.26, -86.58]				
	05/11/14 12:36 EST		0	Hail (1.50 in)
	05/11/14 12:36 EST		0	Source: Law Enforcement
Local law enforcement reported 1.5 inch hail 2 miles north of St Croix.				
CRAWFORD COUNTY --- SULPHUR [38.23, -86.47]				
	05/11/14 12:57 EST		0	Hail (1.00 in)
	05/11/14 12:57 EST		0	Source: Trained Spotter
A spotter reported 1 inch hail in Sulfur.				
CRAWFORD COUNTY --- BEECHWOOD [38.20, -86.42]				
	05/11/14 13:03 EST		0	Hail (1.75 in)
	05/11/14 13:03 EST		0	Source: Trained Spotter
A spotter in Beechwood reported golf ball sized hail.				
CRAWFORD COUNTY --- 1.1 W FREDONIA [38.18, -86.40]				

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	05/11/14 13:18 EST		0	Hail (1.00 in)
	05/11/14 13:18 EST		0	Source: Trained Spotter

A spotter reported dime and quarter sized hail.

CRAWFORD COUNTY --- LEAVENWORTH [38.20, -86.35]

05/11/14 13:27 EST	0	Hail (1.00 in)
05/11/14 13:27 EST	0	Source: Trained Spotter

On May 11th, organized convection across southern Indiana during the early morning hours left a boundary that by late morning stretched from Frankfort westward across Louisville toward Perry County, Indiana. Very unstable conditions developed along the Ohio River by noon with an uncapped atmosphere and CAPE approaching 2000 Joules. Scattered storms during the early morning hours across southern Illinois eventually moved eastward into this unstable environment. One storm in particular encountered this boundary and rapidly developed into a supercell with very large hail. Hail to at least the size of golf balls fell across Perry and Crawford counties.

DUBOIS COUNTY --- 1.5 NNE FERDINAND [38.24, -86.86]

05/13/14 17:24 EST	15K	Thunderstorm Wind (EG 50 kt)
05/13/14 17:24 EST	0	Source: Emergency Manager

The Dubois County emergency manager reported that a pole barn with its doors open was blown down.

Scattered thunderstorms developed within a warm and humid airmass during the afternoon on May 13th. Several became strong, and one produced a wet microburst that damaged a structure in Dubois County.

PERRY COUNTY --- 1.0 NE TELL CITY [37.96, -86.76], 0.9 NE TELL CITY [37.96, -86.76], 0.8 NE TELL CITY [37.96, -86.76], 0.7 NE TELL CITY [37.96, -86.76]

05/14/14 07:46 EST	0	Flash Flood (due to Heavy Rain)
05/14/14 07:46 EST	0	Source: Emergency Manager

Many roads across Tell City and other locations in Perry County became impassable due to flash flooding.

PERRY COUNTY --- 0.5 E TELL CITY [37.95, -86.76], 0.9 E TELL CITY [37.95, -86.75], 0.9 E TELL CITY [37.95, -86.75], 0.6 E TELL CITY [37.95, -86.76]

05/14/14 07:58 EST	0	Flash Flood (due to Heavy Rain)
05/14/14 07:58 EST	0	Source: Trained Spotter

Three and one quarter inches of rain fell in a 2 hour period in Tell City. Flowing water was reported on Franklin Street when Windy Creek exceeded its banks.

ORANGE COUNTY --- 1.7 WNW CHAMBERSBURG [38.53, -86.41], 0.8 W CHAMBERSBURG [38.52, -86.39], 1.1 WSW CHAMBERSBURG [38.52, -86.40], 1.9 W CHAMBERSBURG [38.52, -86.42]

05/14/14 09:00 EST	0	Flash Flood (due to Heavy Rain)
05/14/14 09:00 EST	0	Source: Emergency Manager

Water overflowed U.S. Highway 150 at two places. The highway was briefly closed.

A deep slow moving upper level trough located over the Lower Mississippi Valley led to the development of low pressure, which moved from western Tennessee to just west of Louisville May 14th. Ahead of this cyclone, ample moisture brought heavy rain and thunderstorms to southern Indiana, beginning during the early morning hours. Much of southern Indiana received a general 2 to 3 inches for the entire event. However, shortly after dawn, a line of thunderstorms began to train along a thin strip across Perry, Crawford, and Orange Counties in southwestern Indiana. Three to as much as 4 inches of rain fell within a 2 hour period, leading to flash flooding.

JEFFERSON COUNTY --- 0.9 NE ANTIOCH GRANGE [38.74, -85.46]

05/21/14 18:50 EST	0	Hail (1.00 in)
05/21/14 18:50 EST	0	Source: Trained Spotter

A spotter just west of Madison reported 1 inch hail.

JEFFERSON COUNTY --- 0.7 NNW MADISON [38.74, -85.38], 0.8 NNW MADISON [38.74, -85.38], 0.8 NNW MADISON [38.74, -85.38], 0.7 NNW MADISON [38.74, -85.38]

05/21/14 20:01 EST	0	Flash Flood (due to Heavy Rain)
05/21/14 20:01 EST	0	Source: Law Enforcement

Hanging Rock Hill Road was closed due to high water. A radar estimated rainfall of 2 to 3 inches fell within a two hour period.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CLARK COUNTY --- 0.9 SW SELLERSBURG [38.39, -85.76]				
	05/21/14 20:24 EST		0	Hail (1.00 in)
	05/21/14 20:24 EST		0	Source: Trained Spotter
Quarter sized hail was reported in Sellersburg.				
CLARK COUNTY --- 0.9 NW ST JOSEPH HILL [38.39, -85.79]				
	05/21/14 20:28 EST		0	Hail (1.00 in)
	05/21/14 20:28 EST		0	Source: Trained Spotter
A spotter 2 miles southwest of Sellersburg saw 1 inch hail.				
FLOYD COUNTY --- 1.5 SSW ST JOSEPH [38.38, -85.81]				
	05/21/14 20:31 EST		0	Hail (1.00 in)
	05/21/14 20:31 EST		0	Source: Trained Spotter
FLOYD COUNTY --- 1.6 W NEW ALBANY [38.30, -85.83]				
	05/21/14 20:33 EST		0	Hail (1.25 in)
	05/21/14 20:33 EST		0	Source: Broadcast Media
Local media relayed a report of 1.25 inch hail just north of Interstate 64 in New Albany.				
WASHINGTON COUNTY --- SALEM [38.60, -86.10]				
	05/22/14 00:10 EST		5K	Thunderstorm Wind (EG 50 kt)
	05/22/14 00:10 EST		0	Source: Law Enforcement
Local law enforcement reported that a tree fell onto a home in Salem.				
SCOTT COUNTY --- 0.9 NW SCOTTSBURG [38.69, -85.78]				
	05/22/14 00:11 EST		0	Thunderstorm Wind (EG 52 kt)
	05/22/14 00:11 EST		0	Source: Law Enforcement
The Scott County emergency management reported several trees down countywide.				
HARRISON COUNTY --- NEW SALISBURY [38.32, -86.10]				
	05/22/14 02:20 EST		0	Thunderstorm Wind (EG 50 kt)
	05/22/14 02:20 EST		0	Source: Law Enforcement
New Salisbury law enforcement reported a tree down across a road.				
CRAWFORD COUNTY --- RIDDLE [38.25, -86.43]				
	05/22/14 02:43 EST		0	Hail (1.75 in)
	05/22/14 02:43 EST		0	Source: Trained Spotter
A storm that interacted with a previous boundary briefly acquired supercell characteristics and produced golf ball sized hail near Riddle.				
CRAWFORD COUNTY --- SULPHUR [38.23, -86.47]				
	05/22/14 02:48 EST		0	Hail (1.00 in)
	05/22/14 02:48 EST		0	Source: Trained Spotter
A spotter reported a large amount of quarter sized hail that whitened the ground just northeast of Sulfur Springs.				
Strong instability developed during the afternoon of the 21st to the south of a weak boundary sliding south across central Indiana. A shortwave moving across the western Great Lakes contributed to steep low level lapse rates and strong mid-level winds that supported several rounds of strong convection. During the late afternoon, a southeastward-moving bow echo brought wind damage and minor flooding to southeastern Indiana. Throughout the rest of the evening and the early morning hours on the 22nd, several additional rounds of convection, each one just west of the previous round, would bring additional severe weather. Overnight convection was aided by a strong low level southwesterly jet and the presence of pre-existing boundaries.				

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KENTUCKY, Central				
BUTLER COUNTY --- 0.8 ENE WOODBURY [37.18, -86.64], 1.2 ENE WOODBURY [37.19, -86.63], 1.2 ENE WOODBURY [37.18, -86.63], 0.9 ENE WOODBURY [37.18, -86.63]				
	05/01/14 00:00 CST	0		Flood (due to Heavy Rain)
	05/01/14 20:30 CST	0		Source: River/Stream Gage
The Green River at Woodbury went into flood around midnight May 1st. It peaked at 33.9 feet during the morning hours before falling below flood stage late in the day. Flood stage at Woodbury is 33.0 feet.				
BUTLER COUNTY --- 77.2 W KELTNER [37.21, -86.90], 77.4 W KELTNER [37.22, -86.90], 77.1 W KELTNER [37.22, -86.89], 76.9 W KELTNER [37.21, -86.89]				
	05/01/14 15:00 CST	0		Flood (due to Heavy Rain)
	05/01/14 15:30 CST	0		Source: River/Stream Gage
Heavy rains across south central Kentucky during the last few days of April led to minor flooding of the Green River at Rochester Ferry on May 1st. The river just barely reached its flood stage of 17 feet for a few minutes around 5 pm CST.				
As a result of widespread 2 to 4 inch rainfall during the last several days in April, the Green River experienced minor flooding in early May at Rochester and Woodbury.				
BUTLER COUNTY --- WOODBURY [37.18, -86.65], 0.3 NW WOODBURY [37.18, -86.65], 0.8 W WOODBURY [37.18, -86.67], 0.8 WSW WOODBURY [37.18, -86.66]				
	05/10/14 03:00 CST	0		Flash Flood (due to Heavy Rain)
	05/10/14 03:00 CST	0		Source: Trained Spotter
A spotter reported that flash flooding briefly closed State Highway 403 just west of Woodbury.				
Localized heavy rain fell over a two hour period in Butler County. Rainfall amounts estimated by radar ranging from 2 to 4 inches brought flash flooding near Woodbury.				
LARUE COUNTY --- 1.3 ESE MAXINE [37.46, -85.78]				
	05/13/14 17:24 EST	30K		Thunderstorm Wind (EG 50 kt)
	05/13/14 17:24 EST	0		Source: NWS Employee
A new barn, with its doors open to its east, was destroyed when thunderstorm winds entered the structure.				
Scattered thunderstorms developed within a warm and humid airmass during the afternoon on May 13th. Several became strong, and one produced a wet microburst that damaged a structure in LaRue County.				
HANCOCK COUNTY --- 2.0 SSW PETRIE [37.90, -86.81], 2.0 S PETRIE [37.90, -86.80], 2.3 S PETRIE [37.90, -86.80], 2.2 S PETRIE [37.90, -86.81]				
	05/14/14 08:07 CST	0		Flash Flood (due to Heavy Rain)
	05/14/14 08:07 CST	0		Source: Department of Highways
The County Road Commission reported that Tom Bolin Road near State Highway 271 was closed due to high water.				
ADAIR COUNTY --- GRADYVILLE [37.08, -85.42]				
	05/14/14 11:52 CST	0		Hail (1.00 in)
	05/14/14 11:52 CST	0		Source: Emergency Manager
BULLITT COUNTY --- 1.0 NE LOTUS [37.93, -85.59], 1.2 W BROWNINGTOWN [37.95, -85.57]				
	05/14/14 13:23 EST	15K		Tornado (EF0, L: 1.50 mi , W: 50 yd)
	05/14/14 13:27 EST	0		Source: NWS Storm Survey
An EF-0 tornado with estimated winds between 65 and 80 mph touched down and snapped a tree at a residence along Lotus Street. It then moved northeast and removed several shingles from another home along this same street. Several large branches were downed near this home as well. Several trees were also toppled in a wooded area behind this home. A neighbor along Deatsville Road had a tree fall and crush a trampoline. Farther north along Deatsville Road, a resident lost a large section of a tree and had minor siding damage along the east side of his home. A mile farther to the northeast, just before lifting, the tornado sheared off a portion of a row of trees adjacent to Maraman Road. The maximum wind speed was estimated based on snapped 1 to 2 foot diameter tree trunks. Structural damage resulted from winds estimated at 65 to 70 mph.				
FAYETTE COUNTY --- 2.0 SSW DONERAIL [38.12, -84.55]				

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	05/14/14 13:36 EST		0	Hail (1.00 in)
	05/14/14 13:36 EST		0	Source: NWS Employee

An off duty NWS employee driving on Interstate 64 just northwest of Lexington reported 1 inch hail covering the Interstate and significantly slowing traffic.

ALLEN COUNTY --- 0.6 E MT ZION [36.68, -86.04]

05/14/14 13:41 CST	0	Hail (1.00 in)
05/14/14 13:41 CST	0	Source: Trained Spotter

JESSAMINE COUNTY --- 1.5 NNE WILMORE [37.87, -84.66]

05/14/14 13:45 EST	5K	Thunderstorm Wind (EG 50 kt)
05/14/14 13:45 EST	0	Source: Public

A section of a roofing cover was blown off of a building.

FAYETTE COUNTY --- 2.8 S VILEY [38.04, -84.55]

05/14/14 13:51 EST	30K	Lightning
05/14/14 13:51 EST	0	Source: Broadcast Media

Lexington media reported that lightning downed a large tree near Cross Keys Road, which fell across several power lines. This brought widespread power outages.

WOODFORD COUNTY --- 0.9 SE HUNTERTON [38.02, -84.69]

05/14/14 13:54 EST	0	Hail (1.25 in)
05/14/14 13:54 EST	0	Source: Broadcast Media

The Lexington media reported 1.25 inch hail just southeast of Versailles.

BARREN COUNTY --- 1.6 W GLASGOW [36.98, -85.93], 1.7 W GLASGOW [36.98, -85.93], 1.9 W GLASGOW [36.98, -85.94], 1.9 W GLASGOW [36.98, -85.93]

05/14/14 15:17 CST	0	Flood (due to Heavy Rain)
05/14/14 15:17 CST	0	Source: Trained Spotter

A few inches of water covered Trojan Trail Road near 31E.

A deep slow moving upper level trough located over the Lower Mississippi Valley led to the development of low pressure, which moved from western Tennessee to just west of Louisville on May 14th. Ahead of this cyclone, ample moisture brought heavy rain and thunderstorms to central Kentucky, beginning during the early morning hours. Shortly after dawn, a line of thunderstorms began to train along a thin strip over Hancock County, Kentucky, and extending northwards into southern Indiana. Three to as much as 4 inches of rain fell within a 2 hour period, leading to flash flooding. Later in the day, modest instability developed across the Bluegrass Region and east central Kentucky. A couple of waves of thunderstorms developed during the afternoon hours, bringing several rounds of heavy rain and isolated severe weather.

HENRY COUNTY --- BETHLEHEM [38.40, -85.07]

05/21/14 18:30 EST	0	Thunderstorm Wind (EG 50 kt)
05/21/14 18:30 EST	0	Source: Law Enforcement

Local law enforcement reported several trees down centered around Bethlehem.

SCOTT COUNTY --- 1.1 W SAND LICK [38.25, -84.74]

05/21/14 18:54 EST	0	Thunderstorm Wind (EG 50 kt)
05/21/14 18:54 EST	0	Source: Law Enforcement

Scott County emergency management reported trees down along Pea Ridge Road and other locations along the Franklin/Scott County Line.

SCOTT COUNTY --- GEORGETOWN [38.20, -84.55]

05/21/14 19:06 EST	0	Thunderstorm Wind (EG 50 kt)
05/21/14 19:06 EST	0	Source: Trained Spotter

A spotter reported a tree down near 1004 Lloyd Road.

OLDHAM COUNTY --- 0.9 SW FRAZERTOWN [38.31, -85.51]

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	05/21/14 19:20 EST		0	Thunderstorm Wind (EG 50 kt)
	05/21/14 19:20 EST		0	Source: NWS Employee

A NWS employee reported several trees down in his neighborhood 1 mile west of Pee Wee Valley. Twelve miles farther north, a Kentucky Mesonet site measured a 51 mph wind gust.

JEFFERSON COUNTY --- 1.1 E HARRODS CREEK [38.33, -85.61]

05/21/14 19:21 EST	0	Thunderstorm Wind (EG 50 kt)
05/21/14 19:21 EST	0	Source: Broadcast Media

The local media reported numerous power lines downed by an outflow boundary ahead of a thunderstorm.

SHELBY COUNTY --- SHELBYVILLE [38.22, -85.23]

05/21/14 19:25 EST	0	Thunderstorm Wind (EG 50 kt)
05/21/14 19:25 EST	0	Source: Emergency Manager

Multiple trees were downed within an area extending from Shelbyville west to the Jefferson County line. Several roads were blocked.

SHELBY COUNTY --- SHELBYVILLE [38.22, -85.23]

05/21/14 19:27 EST	0	Thunderstorm Wind (EG 56 kt)
05/21/14 19:27 EST	0	Source: Public

In Shelbyville, siding was ripped off of a residence. Around town, several trees and traffic lights were downed.

FAYETTE COUNTY --- 2.3 ESE LEXINGTON [38.04, -84.46]

05/21/14 19:35 EST	0	Thunderstorm Wind (MG 50 kt)
05/21/14 19:35 EST	0	Source: ASOS

The ASOS at the Bluegrass Airport west of Lexington measured a 57 mph wind gust.

JEFFERSON COUNTY --- EASTWOOD [38.23, -85.45]

05/21/14 19:40 EST	0	Thunderstorm Wind (EG 50 kt)
05/21/14 19:40 EST	0	Source: Law Enforcement

Local law enforcement reported trees down along Eastwood...Fisherville Road.

FRANKLIN COUNTY --- 0.7 S FARMDALE [38.11, -84.92]

05/21/14 19:45 EST	0	Thunderstorm Wind (EG 56 kt)
05/21/14 19:45 EST	0	Source: Trained Spotter

A spotter reported large limbs downed by estimated 65 mph wind gusts.

FRANKLIN COUNTY --- 1.4 N LANES MILL [38.12, -84.88]

05/21/14 19:45 EST	0	Thunderstorm Wind (MG 52 kt)
05/21/14 19:45 EST	0	Source: Mesonet

The Kentucky Mesonet several miles south of Frankfort measured a 60 mph wind gust. Several miles north, the Frankfort Airport ASOS measured a 48 mph gust.

JESSAMINE COUNTY --- 3.3 N LOGANA [37.92, -84.48]

05/21/14 19:52 EST	5K	Thunderstorm Wind (EG 56 kt)
05/21/14 19:52 EST	0	Source: Law Enforcement

Local law enforcement reported multiple trees down near the intersection of Tate's Creek and East Hickman Roads. Two miles to the west at around the same time, a tree fell on a garage.

MERCER COUNTY --- 1.1 W STRINGTOWN [37.77, -84.85]

05/21/14 20:02 EST	5K	Thunderstorm Wind (EG 56 kt)
05/21/14 20:02 EST	0	Source: Broadcast Media

Local media reported minor roof damage at an auto parts store.

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MERCER COUNTY --- 0.7 N HARRODSBURG ARPT [37.81, -84.85]				
	05/21/14 20:05 EST		0	Thunderstorm Wind (MG 56 kt)
	05/21/14 20:05 EST		0	Source: Mesonet
The Kentucky Mesonet site 3 miles north of Harrodsburg measured a 65 mph wind gust.				
MADISON COUNTY --- 0.9 SE RICHMOND [37.74, -84.29]				
	05/21/14 20:06 EST		0	Hail (1.00 in)
	05/21/14 20:06 EST		0	Source: Trained Spotter
MADISON COUNTY --- 0.9 SE RICHMOND [37.74, -84.29]				
	05/21/14 20:06 EST		0	Thunderstorm Wind (EG 52 kt)
	05/21/14 20:06 EST		0	Source: Emergency Manager
A bowing segment brought widespread power outages throughout the county. Several trees were downed in Richmond.				
BOYLE COUNTY --- 0.7 NNE LITTLE NEEDMORE [37.66, -84.75]				
	05/21/14 20:10 EST		0	Thunderstorm Wind (EG 52 kt)
	05/21/14 20:10 EST		0	Source: Emergency Manager
Highway 34 north of Danville was closed for an hour due to the removal of downed trees. In general, a bowing segment downed many trees countywide.				
BOYLE COUNTY --- 0.4 NNE SHELBY CITY [37.59, -84.78]				
	05/21/14 20:20 EST		0	Thunderstorm Wind (EG 52 kt)
	05/21/14 20:20 EST		0	Source: Emergency Manager
The Boyle County emergency manager reported that 3 trees had fallen along Airport Road near Junction City.				
GARRARD COUNTY --- LANCASTER [37.62, -84.58]				
	05/21/14 20:20 EST		0	Thunderstorm Wind (EG 52 kt)
	05/21/14 20:20 EST		0	Source: Law Enforcement
A bow echo downed multiple trees across the county, including some in Lancaster.				
LINCOLN COUNTY --- 0.6 E STANFORD [37.53, -84.66]				
	05/21/14 20:25 EST		0	Thunderstorm Wind (EG 52 kt)
	05/21/14 20:25 EST		0	Source: Law Enforcement
Local law enforcement reported trees down throughout the county. At 925 pm EDT, the Kentucky Mesonet 4 miles northeast of Stanford measured a 51 mph wind gust.				
CASEY COUNTY --- MIDDLEBURG [37.35, -84.82]				
	05/21/14 20:42 EST		0	Thunderstorm Wind (EG 52 kt)
	05/21/14 20:42 EST		0	Source: Law Enforcement
A few large trees were toppled near Middleburg.				
SCOTT COUNTY --- GEORGETOWN [38.20, -84.55]				
	05/22/14 03:40 EST		3K	Lightning
	05/22/14 03:40 EST		0	Source: Broadcast Media
The Lexington media reported that lightning struck a church steeple in Georgetown, starting a small roof fire.				
HARDIN COUNTY --- 0.6 ENE RED HILL [37.85, -85.96], 0.7 N RADCLIFF [37.84, -85.95]				
	05/22/14 03:57 EST		0.15M	Thunderstorm Wind (EG 63 kt)
	05/22/14 04:01 EST		0	Source: NWS Storm Survey

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A storm survey confirmed damage from a wet microburst that damaged many trees and several buildings just northwest of Ratcliff . The area surveyed covered an area roughly one half mile wide and 2 to 3 miles in length. Based on damage, northwest winds gusted as high as 70 to 75 mph. Along with many downed trees, two homes on Kingswood Road near Hillcrest Road had large sections of their roof taken off and thrown several hundred yards to the southwest. Several homes on Scenic Drive has substantial garage and siding damage. Two businesses at a strip mall just off of Highway 31W had sections of their roof damaged. Hail up to penny size fell for 20 minutes and produced some drifts up to one foot high.				
HARDIN COUNTY --- ELIZABETH TOWN [37.70, -85.87]				
	05/22/14 04:20 EST		0	Hail (1.25 in)
	05/22/14 04:20 EST		0	Source: Storm Chaser
LARUE COUNTY --- 0.4 NE HODGENVILLE [37.57, -85.75], 1.0 E HODGENVILLE [37.57, -85.73]				
	05/22/14 04:36 EST		0.10M	Thunderstorm Wind (EG 59 kt)
	05/22/14 04:42 EST		0	Source: NWS Storm Survey
A storm survey confirmed widespread straight line wind damage in Hodgenville . A compact but fast moving bow echo that earlier damaged Radcliff brought a measured wind gust of 68 mph to a Kentucky Mesonet site just west of Hodgenville. Numerous soft and hardwood trees had either toppled or had had branches stripped and thrown in a southeasterly direction. A concentrated area of damage consistent with 70 mph winds was surveyed just east of downtown Hodgenville. Awnings and some roof siding were stripped from several buildings . Widespread tree damage was noted near the Red Hill Cemetery. The cemetery's large flag pole was bent at a nearly 45 degree angle. Hail up to half dollar size fell for an estimated 20 minutes.				
LARUE COUNTY --- 1.6 W LEAFDALE [37.57, -85.70]				
	05/22/14 04:40 EST		0	Thunderstorm Wind (MG 59 kt)
	05/22/14 04:40 EST		0	Source: Mesonet
A 68 mph wind gust was measured by a Kentucky Mesonet site 2 miles east of Hodgenville.				
TAYLOR COUNTY --- 1.2 NNW SWEENEYVILLE [37.37, -85.41], 0.9 SSW CAMPBELLSVILLE ARPT [37.34, -85.32]				
	05/22/14 05:24 EST		0.15M	Thunderstorm Wind (EG 63 kt)
	05/22/14 05:27 EST		0	Source: NWS Storm Survey
A storm survey confirmed that widespread damage around Campbellsville was caused by straight line winds of between 70 and 75 mph. These winds were brought by a long lasting bow echo that originated an hour and one half earlier near Radcliff . The most concentrated damage occurred along a path from roughly 3 miles northwest of Campbellsville to one mile southeast of downtown. Near the intersection of Highways 883 and 210 northwest of town, a home had a recent addition blown off and an office outbuilding was thrown and flipped upside down . A farm had a silo and two sheet metal barns damaged. In Campbellsville, widespread tree damage was surveyed. A storage building connected with a florist shop had its roof removed . A resident's chimney was damaged, with bricks damaging several vehicles. Hail up to the size of ping pong balls was also reported.				
Strong instability developed during the afternoon of the 21st to the south of a weak boundary sliding south across central Indiana. A shortwave moving across the western Great Lakes contributed to steep low level lapse rates and strong mid-level winds that supported several rounds of strong convection. During the early evening, a southeastward-moving bow echo brought widespread wind damage to the western Bluegrass Region. This initial round of storms produced an outflow boundary that moved west of Louisville and later proved a focus for additional severe storms during the early morning hours. These additional early morning storms were also supported by a strong low level southwesterly jet. During the early morning hours, a wet microburst developed near Radcliff. This microburst was the beginning of a long-lived bow echo that rapidly moved southeast and brought large hail and widespread wind damage across central Kentucky, including the towns of Elizabethtown, Hodgenville, and Campbellsville.				
MONROE COUNTY --- 0.9 NW BUGTUSSLE [36.64, -85.88]				
	05/22/14 15:30 CST		0	Hail (1.50 in)
	05/22/14 15:30 CST		0	Source: Broadcast Media
Ping Pong ball sized hail fell near the town of Bugtussle.				
A weak frontal boundary draped near the Tennessee border served as a focus for isolated severe storms across mostly Tennessee. One strong storm brought large hail to Monroe County.				
JEFFERSON COUNTY --- 2.5 ENE LOUISVILLE [38.24, -85.74], 2.5 ENE LOUISVILLE [38.24, -85.74], 2.7 ENE LOUISVILLE [38.24, -85.73], 2.6 ENE LOUISVILLE [38.24, -85.74]				
	05/29/14 20:48 EST		40K	Flash Flood (due to Heavy Rain)
	05/29/14 20:48 EST		0	Source: Emergency Manager
Just east of downtown Louisville, the intersection of Broadway and Campbell streets was completely flooded, briefly closing the intersection. Nearby, a low lying intersection near the University of Louisville filled with several feet of water, inundating several vehicles.				
Scattered storms developed during the afternoon and evening of May 29th within an environment of moderate instability and almost				

Storm Data and Unusual Weather Phenomena - May 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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non-existent winds all the way up through 20 thousand feet. Isolated storms during the afternoon and evening hours produced a quick one to two inches of rain within an hour before dissipating. Around mid evening, one storm formed right over downtown Louisville. An estimated one and one half to two inches fell within 45 minutes, overwhelming the city's sewer system.